

## ABSTRACT

In a pastillation machine, an improved distribution system is provided. The distribution system comprises: a distribution bar having a bore  
5 extending therethrough, a series of holes located on an inlet surface of the bar, a series of slots located on an outlet surface of the bar, and a diffuser located in the bore of the bar, the diffuser being spaced between the inlet surface and the outlet surface. The series of holes of the distribution system aligns with flowable substance outlets of the pastillation machine. The  
10 pastillation machine can be used to form various hot liquid mixtures, including elemental sulphur and sulphur based fertilizers containing swelling clay matrix, and macronutrients (N, P, K) and micronutrients (Fe, Cu, Zn, Mn etc.).